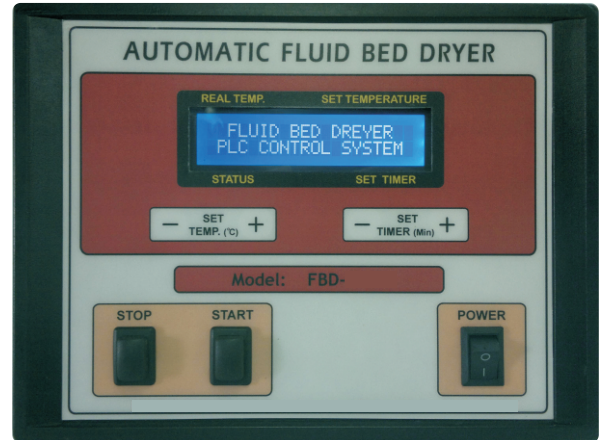


# AUTOMATIC FLUID BED DRYER CONTROLLER

## KEY FEATURES

- ➔ Suitable for Automatic Fluid Bed Dryer
- ➔ Simple and Easy to Operate (full auto)
- ➔ Suitable for Gas and Electric Heating
- ➔ Traditional On/Off Control
- ➔ High Visibility Crystal Display
- ➔ Back Light for Poor Environment
- ➔ Touch Push and Splash Proof Front
- ➔ User Friendly Operation
- ➔ Gas Fail Alarm
- ➔ High Speed Micro-controller Based
- ➔ High Power Connectors
- ➔ Accurate and Highly Stable
- ➔ Easy replacement & Wiring (included)
- ➔ Internal Self Diagnose System
- ➔ Temperature Control up to 175 Deg. Cent.
- ➔ Time Control up to 99 Minutes
- ➔ K-type, J-type Sensor (PT-100 optional)
- ➔ Audibly Buzzer for System status
- ➔ Sensor Fault Alarm
- ➔ Low Failure Rate, High Efficient



NOTE:  
We can modify or add any function according to your machine Hardware,  
also modify Front sticker according to your company name and color.

## MODEL: FBD-6



MANUFACTURE AND DESIGNED BY:



ALLIED TECHNO CONTROL SYSTEMS  
JHUMRA ROAD, MANSOORABAD,  
FAISALABAD, PAKISTAN-38000.

## SPECIFICATIONS

|                                     |  |   |
|-------------------------------------|--|---|
| <b>Controller Series</b>            | HTD6 Series  |   |
| <b>Dimensions</b>                   | 210x160x50 mm , weight 850g (approx.)                            |   |
| <b>Panel Cutout</b>                 | 199x149 mm (+/-0.3 mm)   |   |
| <b>Terminal Connection</b>          | Complete Wiring Included   |   |
| <b>Power (only control circuit)</b> | 80 to 260 VAC - 5VA maximum 50-60Hz                              |   |
| <b>Operating Environment</b>        | 0 to 50°C (32° to 122°F), humidity: 10 to 90% RH, non-condensing |   |
| <b>Instrument Case</b>              | Flame-Retardant ABS plastic case                                 |   |
| <b>Warm-up Time</b>                 | 15 Seconds maximum   |   |
| <b>Input</b>                        | <b>Display Resolution</b>  | 0.1°F/C or 1°F/C (Pt100 RTD); 1°F/C (thermocouples)   |
|                                     | <b>Input Sample Rate</b>   | 10 per second (100 ms)  |
|                                     | <b>Accuracy</b>  | Thermocouples J, K, 0.2% of span ±1°C ± 1 digit<br>Pt100, mA mV and Volts: 0.2% of span ± 1 digit |
|                                     | <b>Impedance</b>   | 0-50mV and thermocouples: >10 M   |
|                                     | <b>Pt100 Measurement</b>   | N/A   |
| <b>Output</b>                       | <b>Resistive</b>   | 3- Solid State Relay: 2A@250VAC   |
|                                     | <b>Inductive</b>   | 3- Solid State Relay: 1A@250VAC   |